

PARTS LIST



Qty 3-101	Qty 3-103	Qty 3-105	Qty 3-107	Part Number	Description
X				D120-752-3-101	FLIR U7500 PROVISIONS KIT
	X			D120-752-3-103	MOUNT ONLY
		X		D120-752-3-105	L3 THERMAL IMAGER PROVISIONS KIT
			X	D120-752-3-107	WESCAM MX-10 PROVISIONS KIT
1	1	1	1	AEC 120A73-0063-02	EXTERNAL PROVISIONS, LH
1	1	1	1	AIRFILM DT-11	DOVETAIL
1			1	AIRFILM DT-13	DOVETAIL
1	1	1	1	D120-752-3-001	PLACARD
1				FLIR U7500	FLIR SYSTEM
1				MA100-120	ISOLATION COLLAR
			1	MX-10	WESCAM TURRET
		1		12 TS/DS 650	L3 THERMAL IMAGER
5				1/4-20	CAP SCREW
4	4	4	4	AN4-10A	BOLT
4	4	4	4	AN525-416R16	SCREW
			4	MS20002-4	WASHER
4				MS20004-12	BOLT
12	8	8	8	MS21042L4	NUT (OR MS21042-4)
5				NAS1149C0332R	WASHER (OR AN960C10L)
16	16	12	8	NAS1149D0416J	WASHER (OR AN960JD416L)
8	4	4	4	NAS1149D0463J	WASHER (OR AN960JD416)
			4	NAS1351-4H16	SOCKET HEAD CAP SCREW

WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D120-572-3-101 FLIR PROVISIONS KIT	44.0 lb 20.0 kg	-17.0 in -0.43 m	-748 in lb -8.60 m kg	68.1 in 1.73 m	2996 in lb 34.60 m kg
D120-752-3-103 MOUNT ONLY	2.2 lb 1.0 kg	-17.0 in -0.43 m	37.4 in lb -0.43 m kg	68.1 in 1.73 m	150 in lb 1.73 m kg
D120-572-3-105 L3 THERMAL IMAGER PROVISIONS KIT	49.0 lb 22.3 kg	-17.0 in -0.43 m	-833 in lb -9.59 m kg	68.1 in 1.73 m	3337 in lb 38.58 m kg
D120-572-3-107 WESCAM MX-10, PROVISIONS KIT	39.2 lb 17.8 kg	-17.0 in -0.43 m	-666 in lb -7.65 m kg	68.1 in 1.73 m	2670 in lb 30.79 m kg

NOTES:

- 1) THIS IS A STRUCTURAL PROVISIONS ONLY APPROVAL. APPROVAL FOR INTEGRATION OF THIS EQUIPMENT WITH THE AIRCRAFT IS THE RESPONSIBILITY OF THE INSTALLER.
- 2) INSTALL THE D120-752-3-001 PLACARD ON THE INSTRUMENT PANEL IN CLEAR VIEW OF THE PILOT.
- 3) TORQUE ALL BOLTS 50-70 IN-LBS UNLESS OTHERWISE NOTED.

C	ADD -3-107 INSTALLATION (ZN C5-1, D3-1, A5-4, B3-1); REVISE -3-001 (ZN A5-1)	RF	13.11.25
B	ADD -3-105 INSTALLATION	RF	10.03.03
A	NEW ISSUE	RF	06.03.15
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	RF	DRAWING NO.	REV. C
MFG. APPR.	N/A	D120-752-3	SHEET 1 OF 4
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DE APPR.	RF	CAMERA INSTALLATION	NTS
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DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

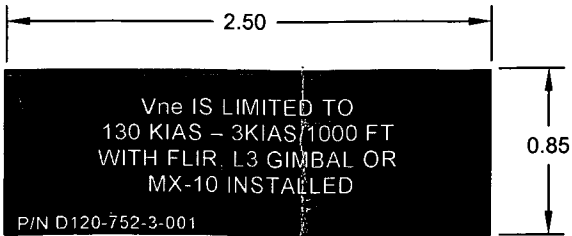
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BY: D. SHEPHERD (DE # 02)

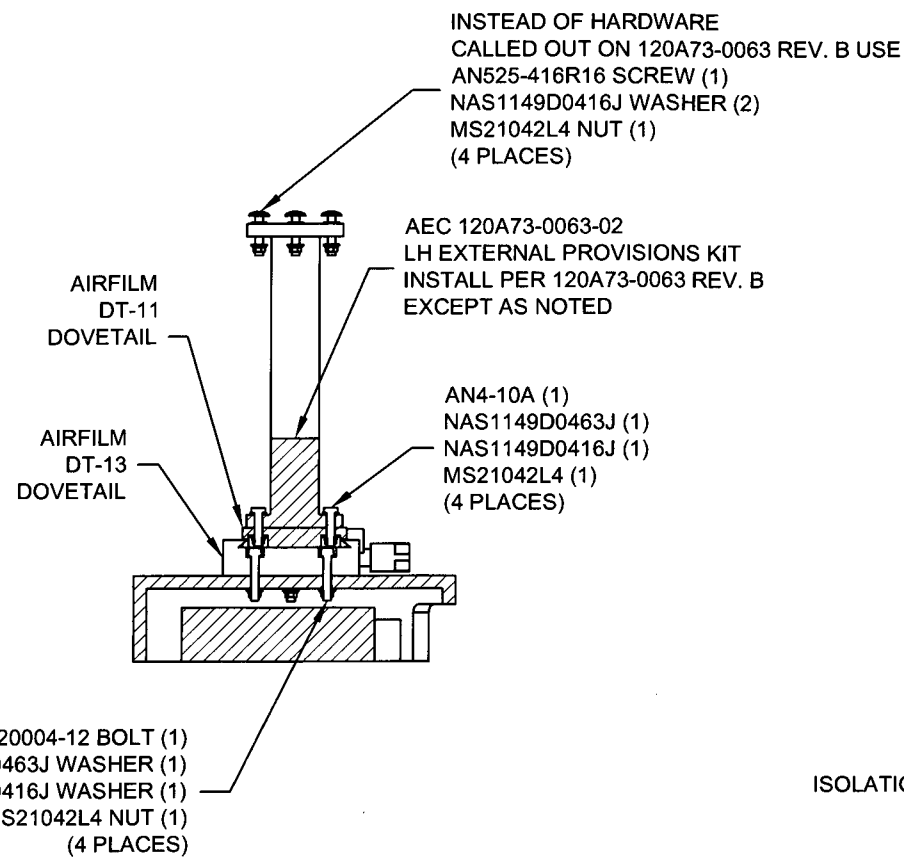
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- D120-752-3-001 PLACARD**
- MATERIAL:
- 1) WHITE LETTERS ON BLACK ADHESIVE BACK
 - 2) MANUFACTURED FROM 3M 7 MIL MASKING FILM #8522CP OR AVERY IPM #2031
 - 3) ALL DIMENSIONS ARE IN INCHES
 - 4) TOLERANCES PER DART QSI 018 UNLESS OTHERWISE NOTED



SECTION A-A C4-2

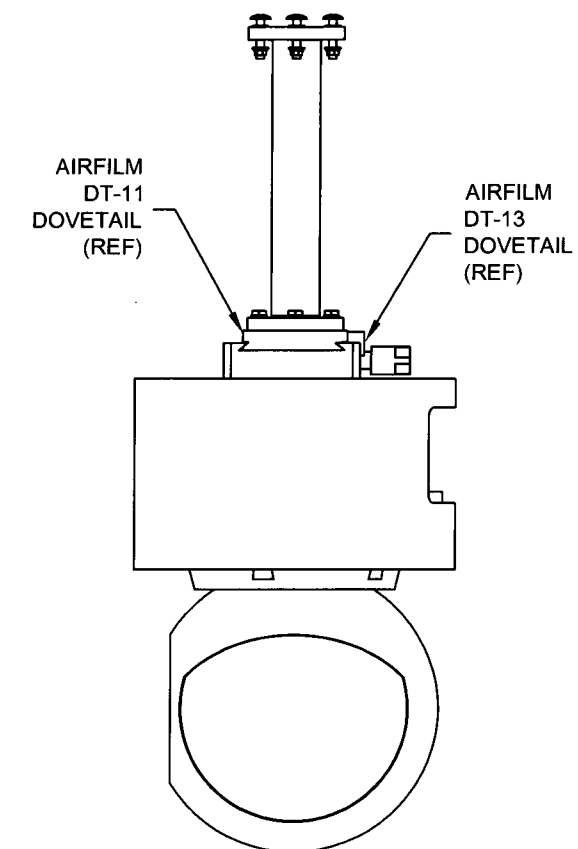
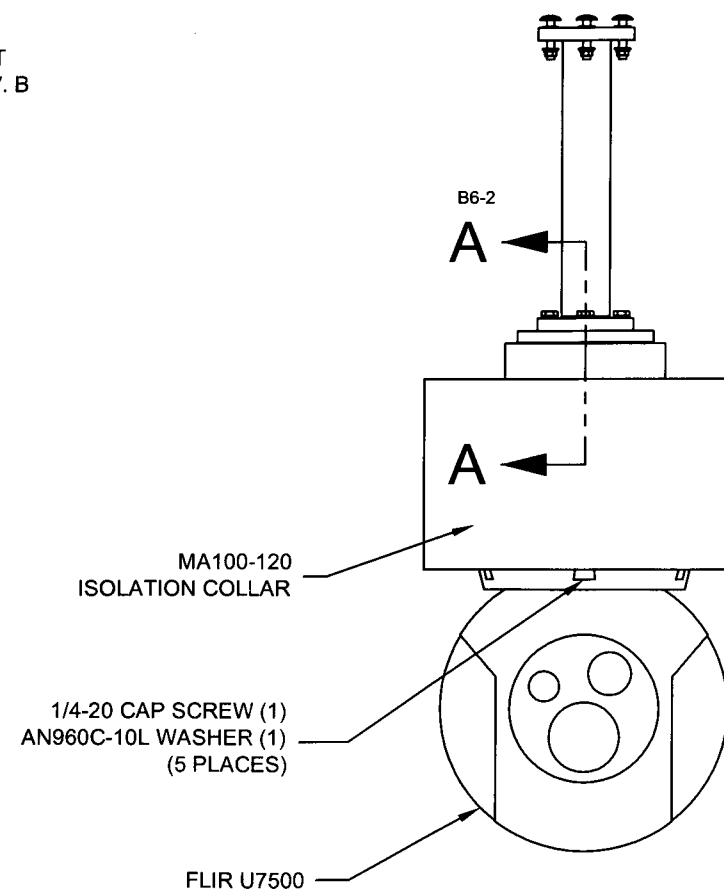





FIGURE 1: D120-752-3-101 FLIR U7500 INSTALLATION

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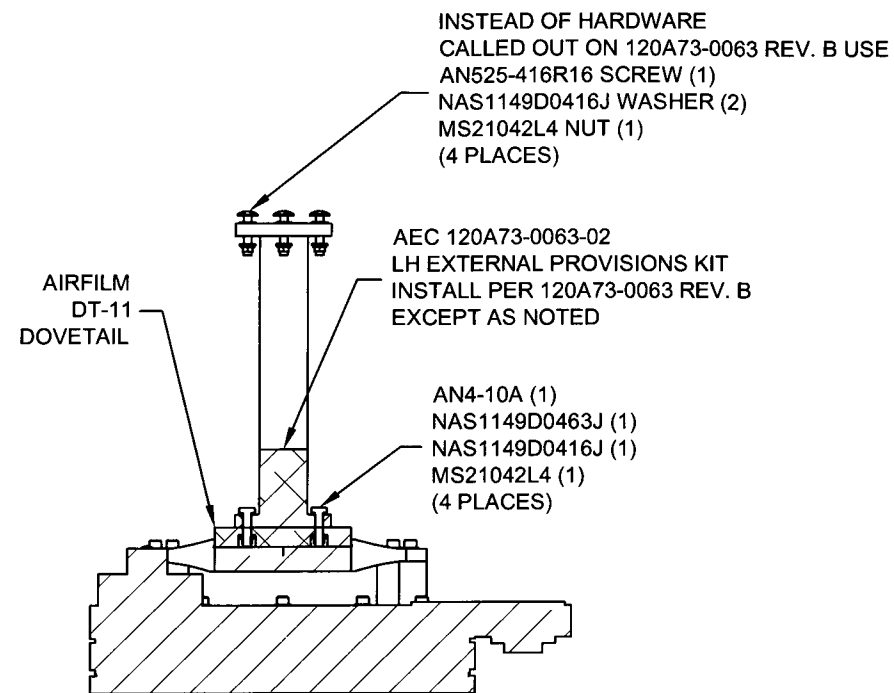
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SECTION B-B C4-3

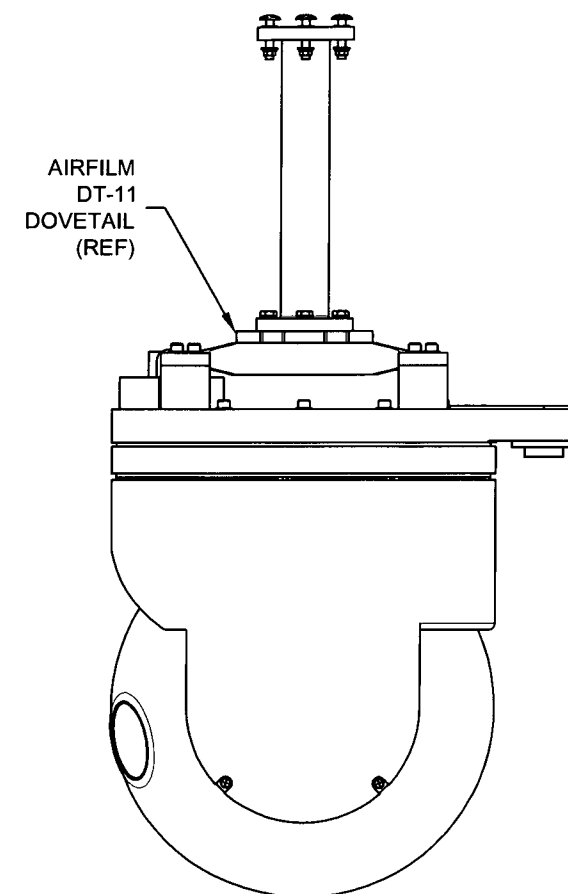
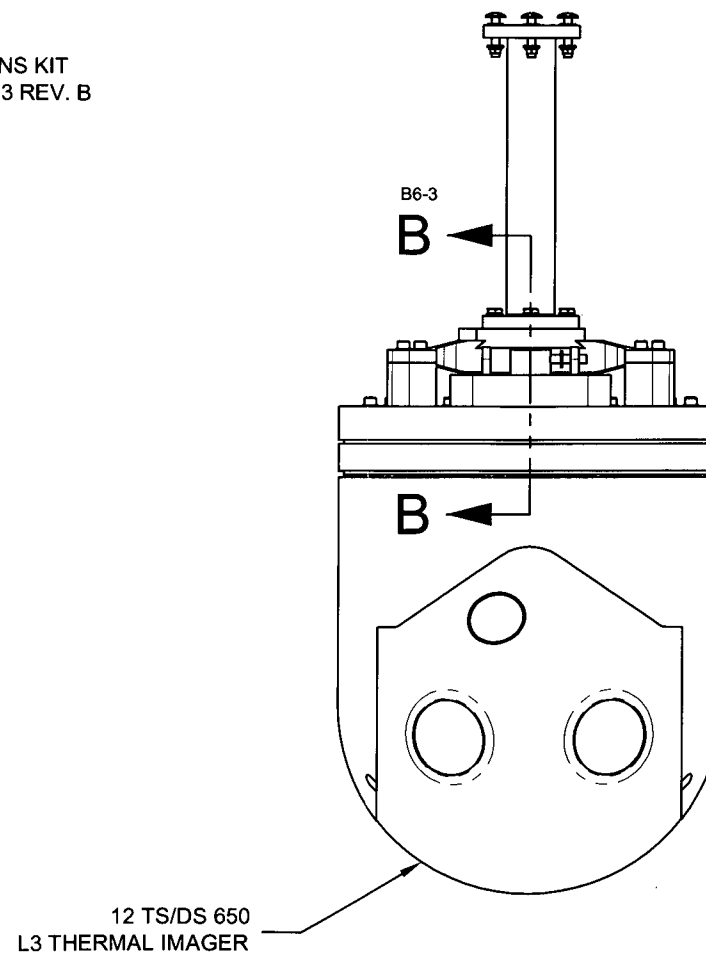


FIGURE 2: D120-752-3-105 L3 THERMAL IMAGER INSTALLATION

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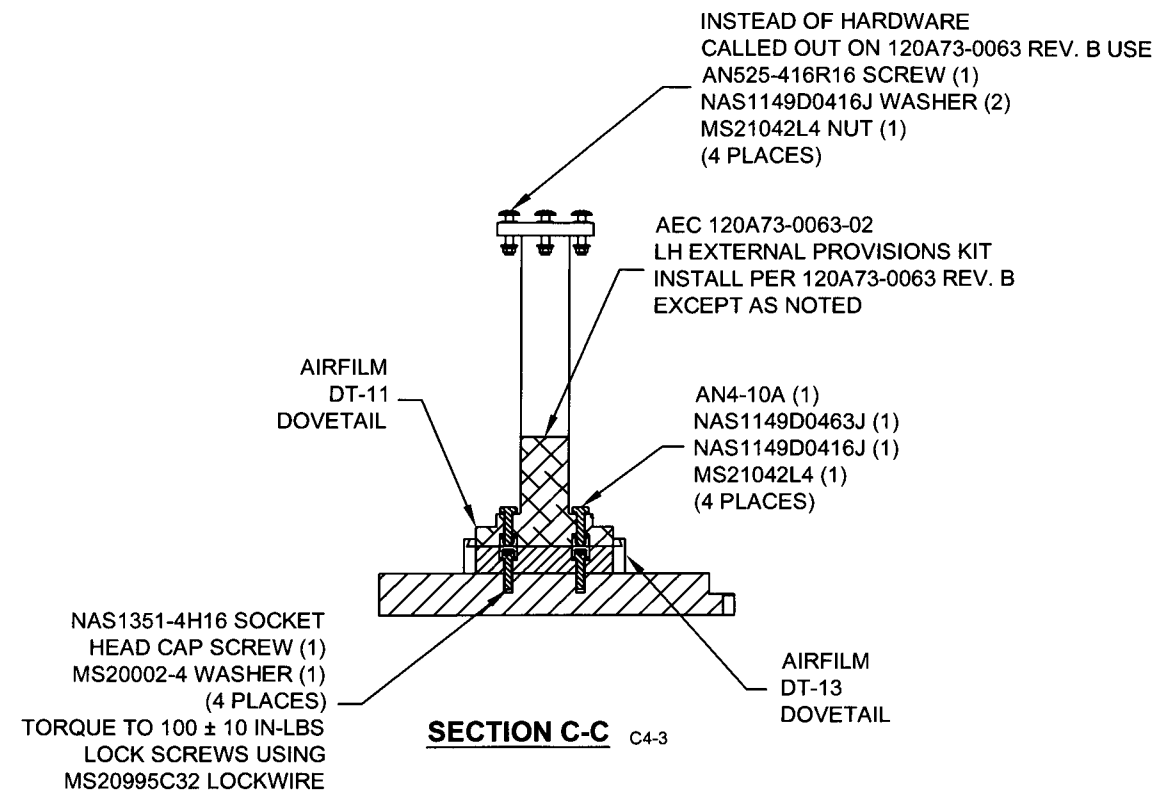
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MX-10
WESCAM
TURRET

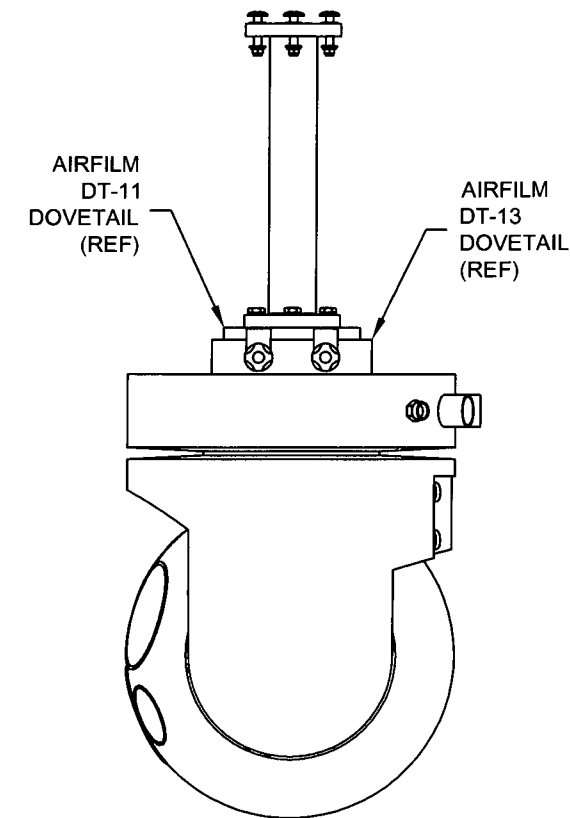


FIGURE 3: D120-752-3-107 WESCAM MX10 INSTALLATION

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